

FIG.1A

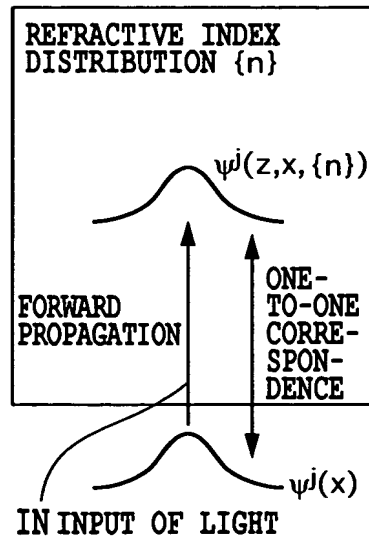
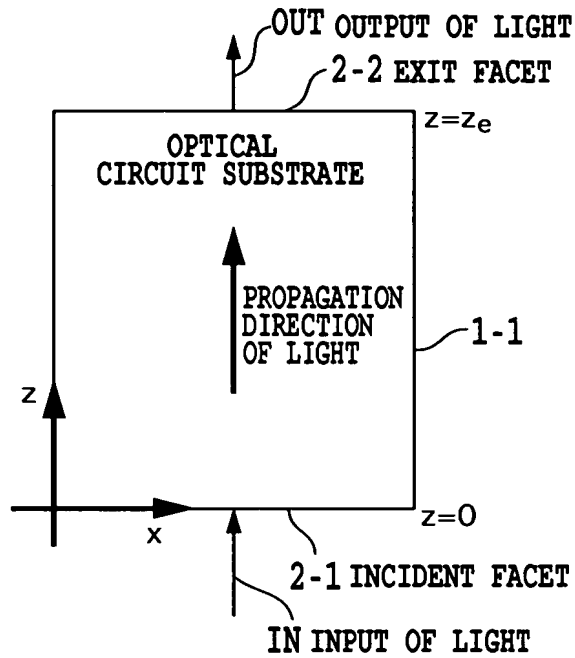


FIG.1B

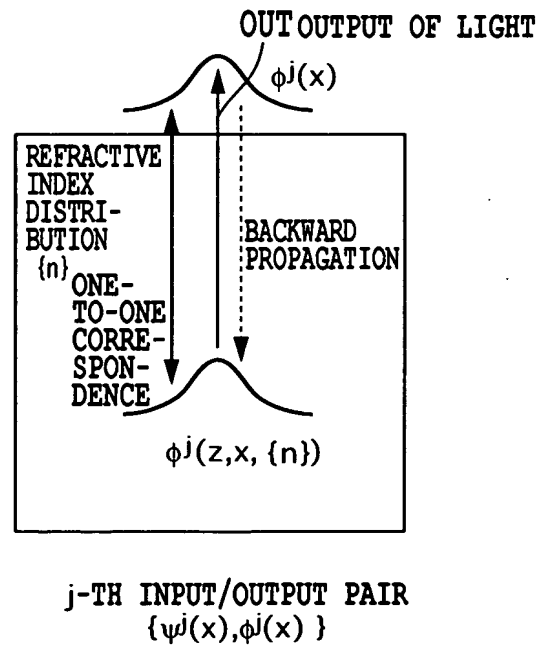
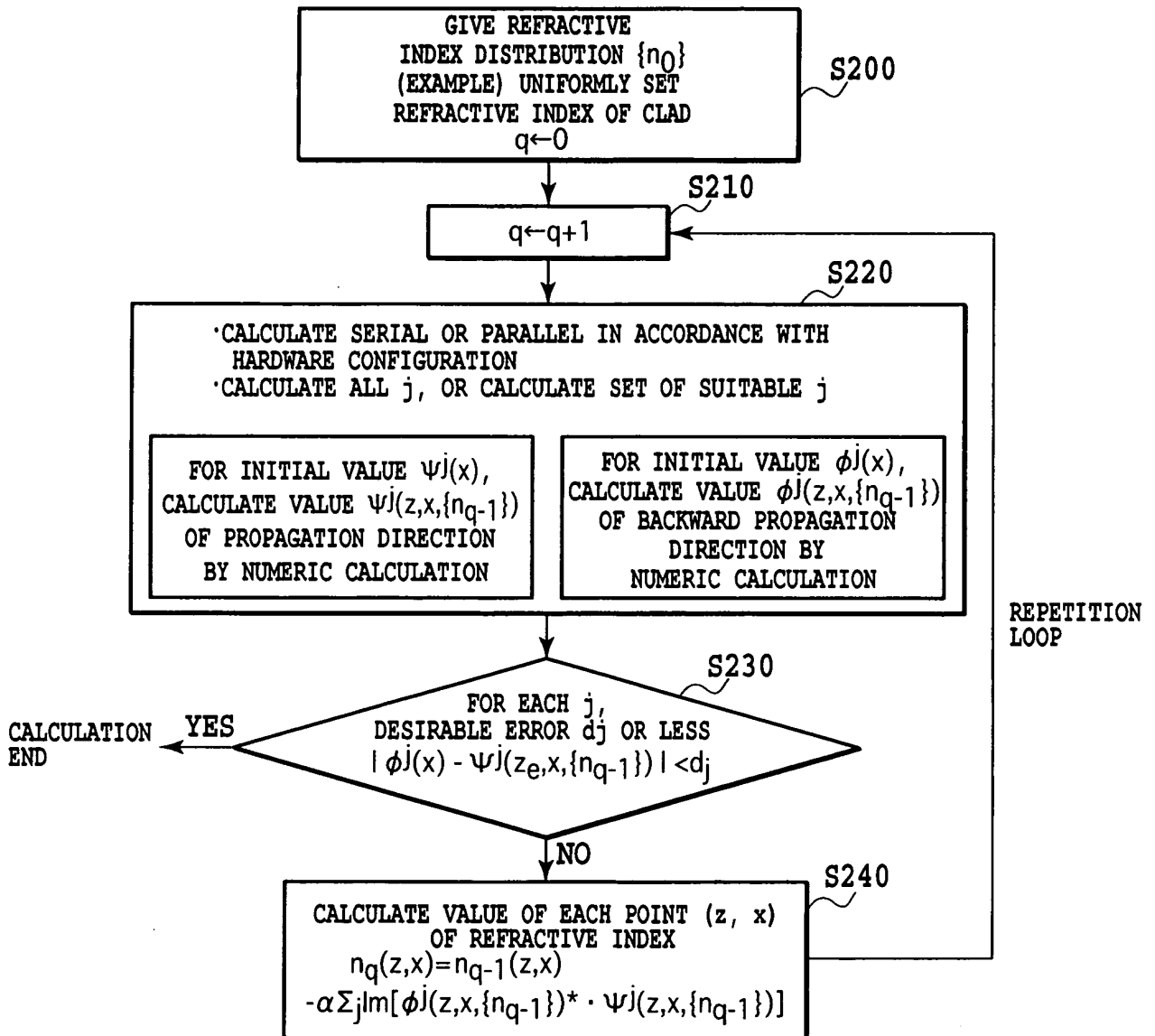


FIG.1C

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※ AS FOR MEANING OF " $\leftarrow$ ",  
FOR EXAMPLE,  $A \leftarrow B+C$   
INDICATES THAT SUM  
OF B AND C IS SUBSTITUTED IN A

FIG.2

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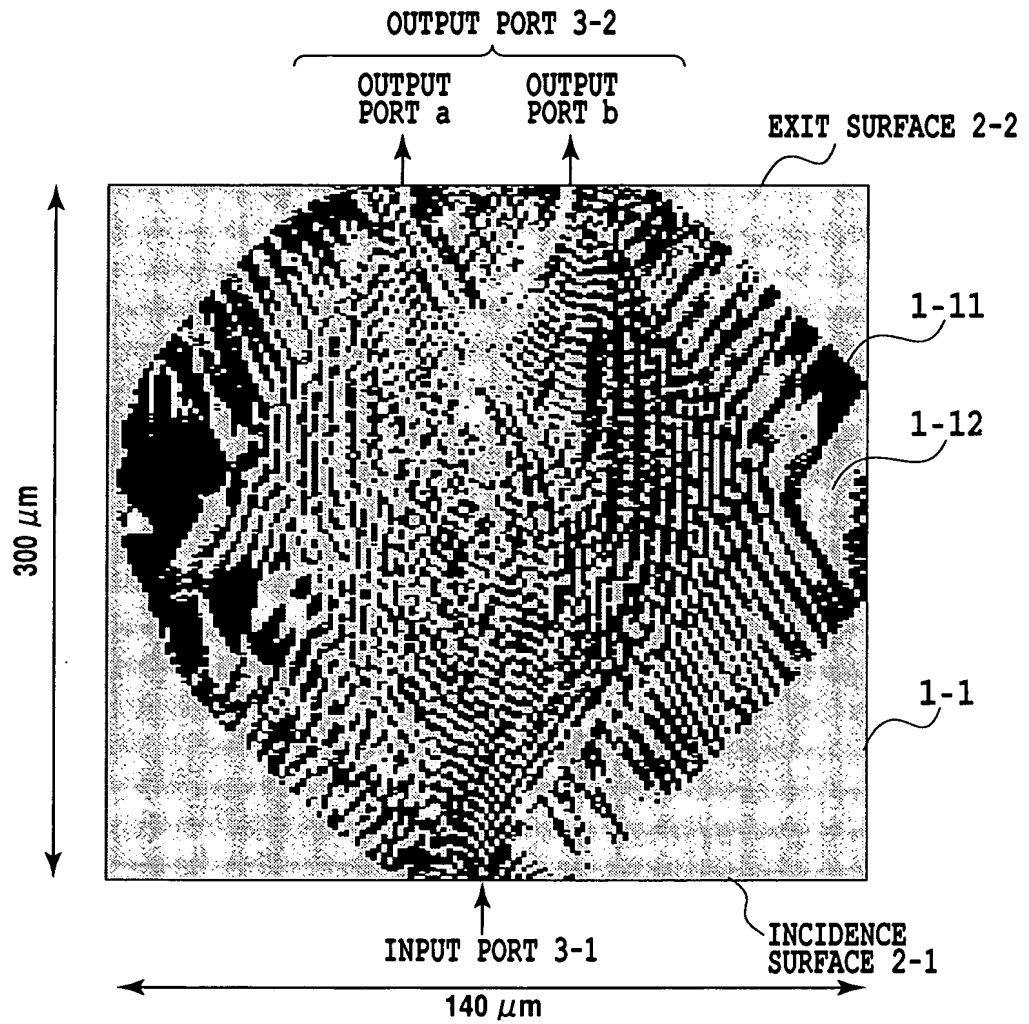


FIG.3

OPTICAL FUNCTIONAL CIRCUIT

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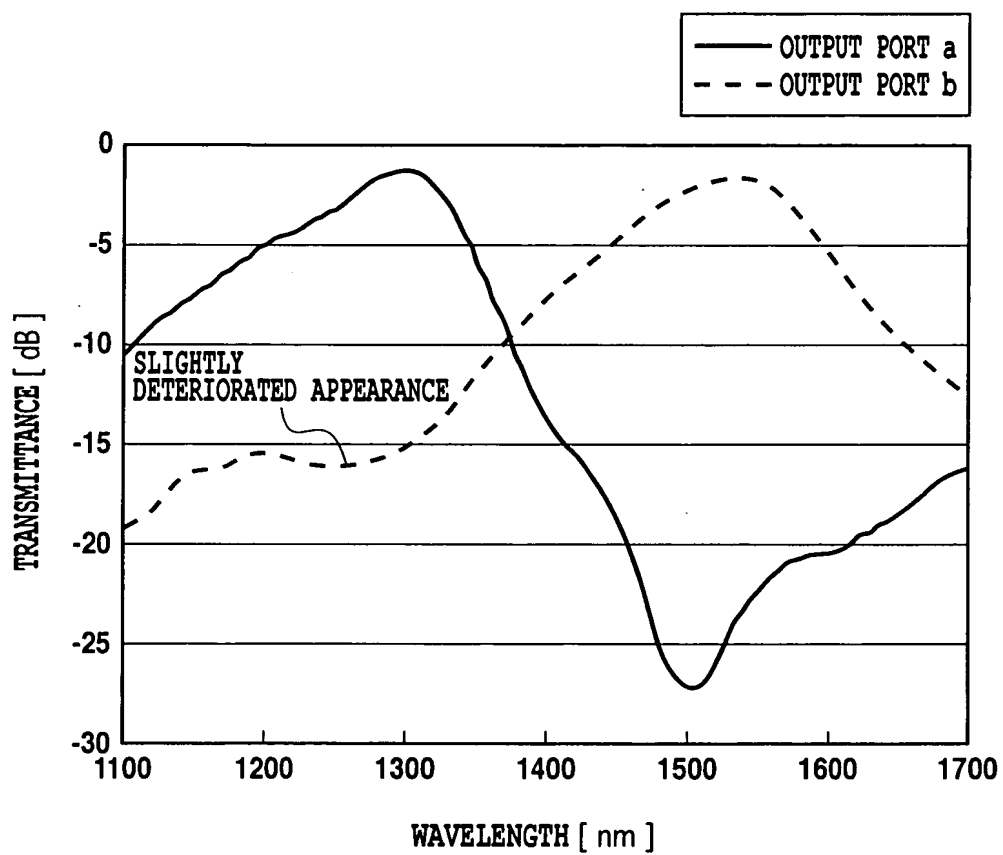


FIG.4

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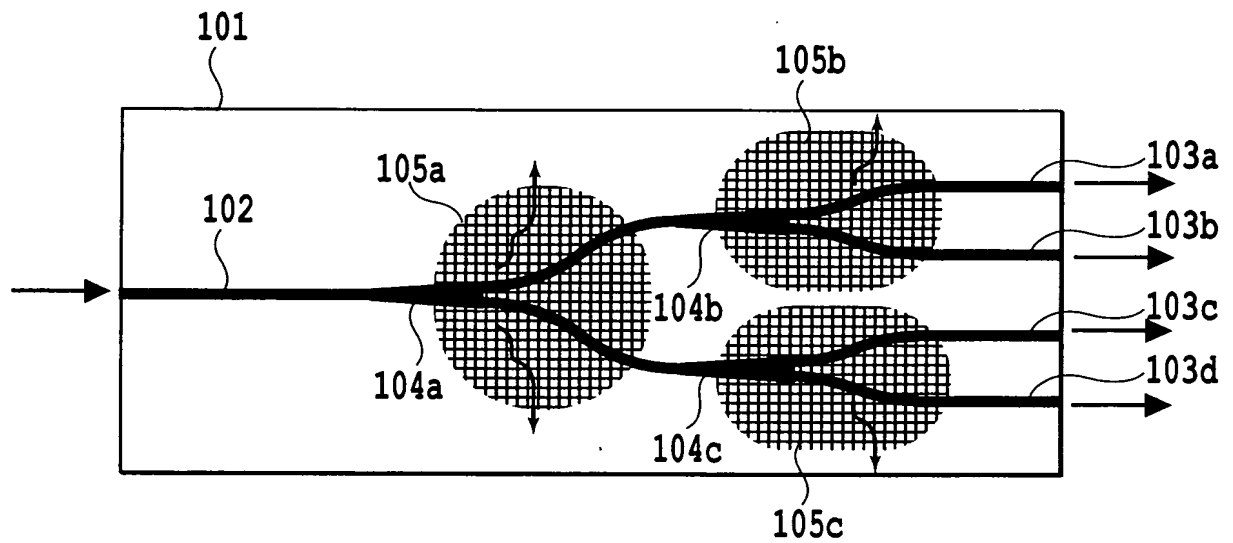


FIG.5

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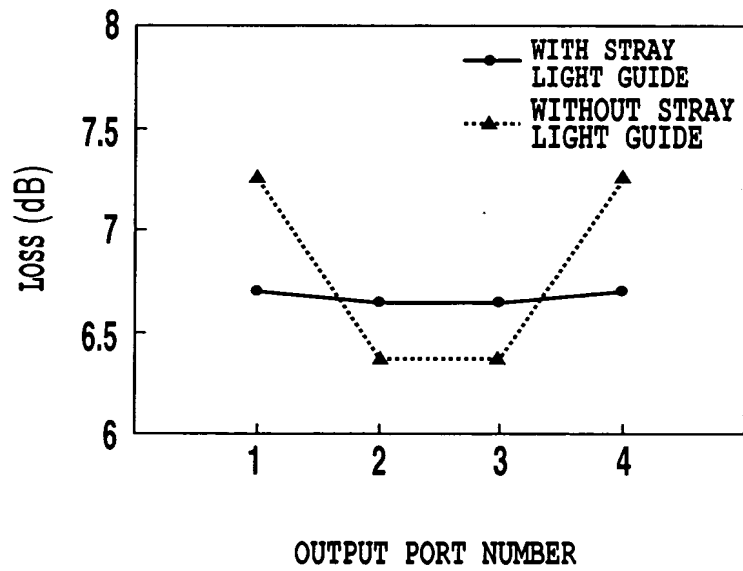


FIG.6

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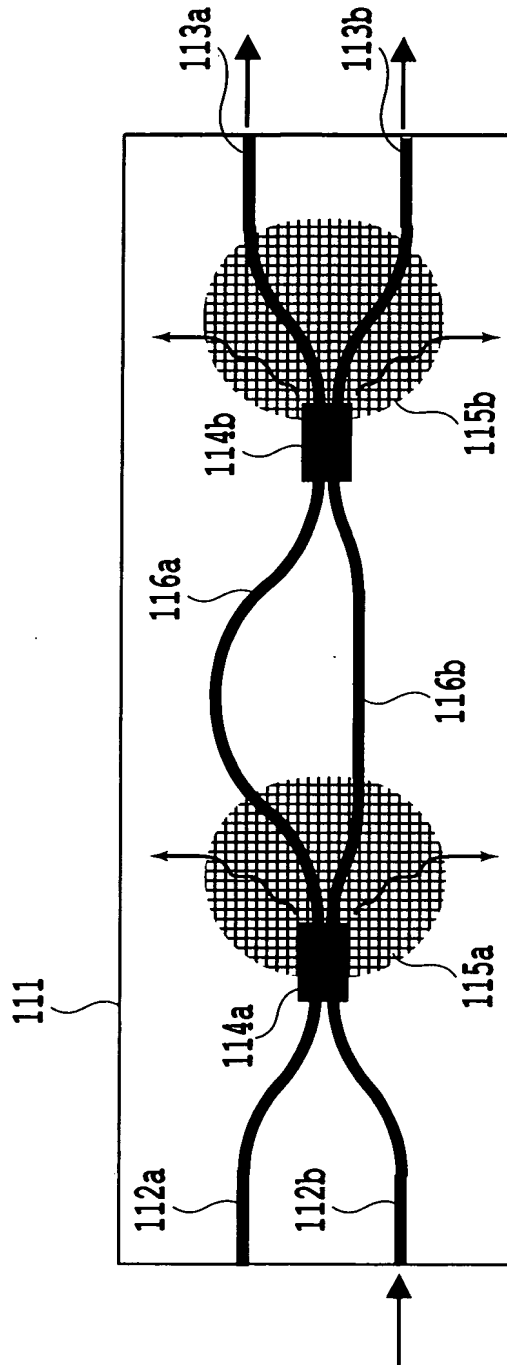


FIG. 7

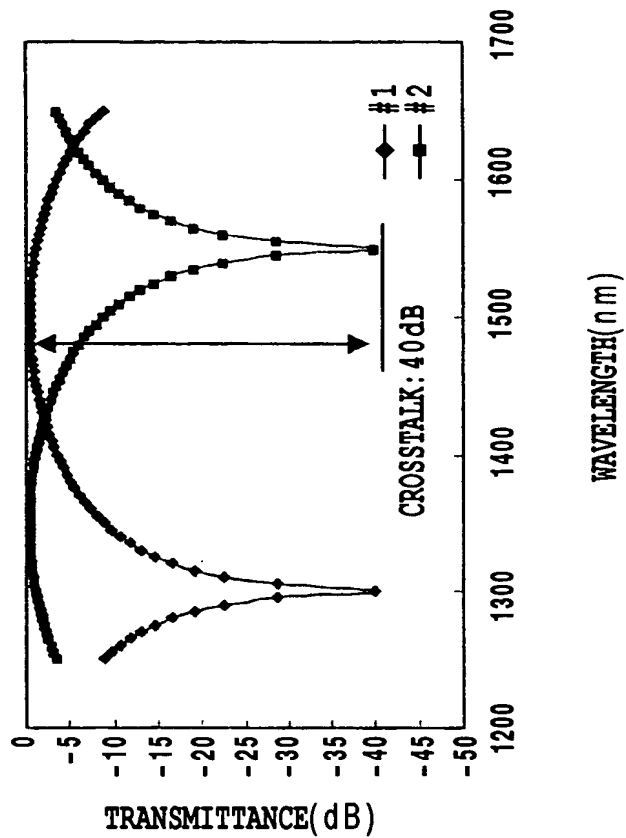


FIG. 8A

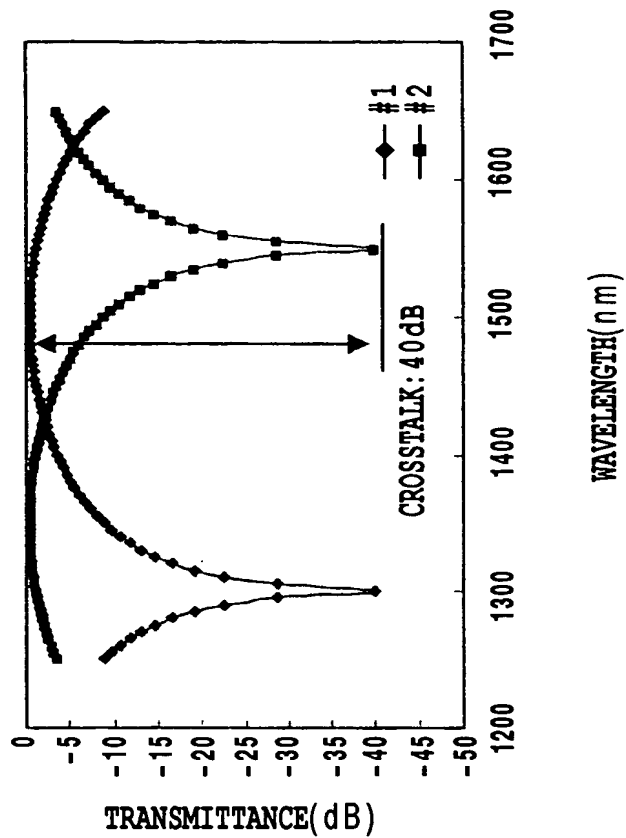


FIG. 8B



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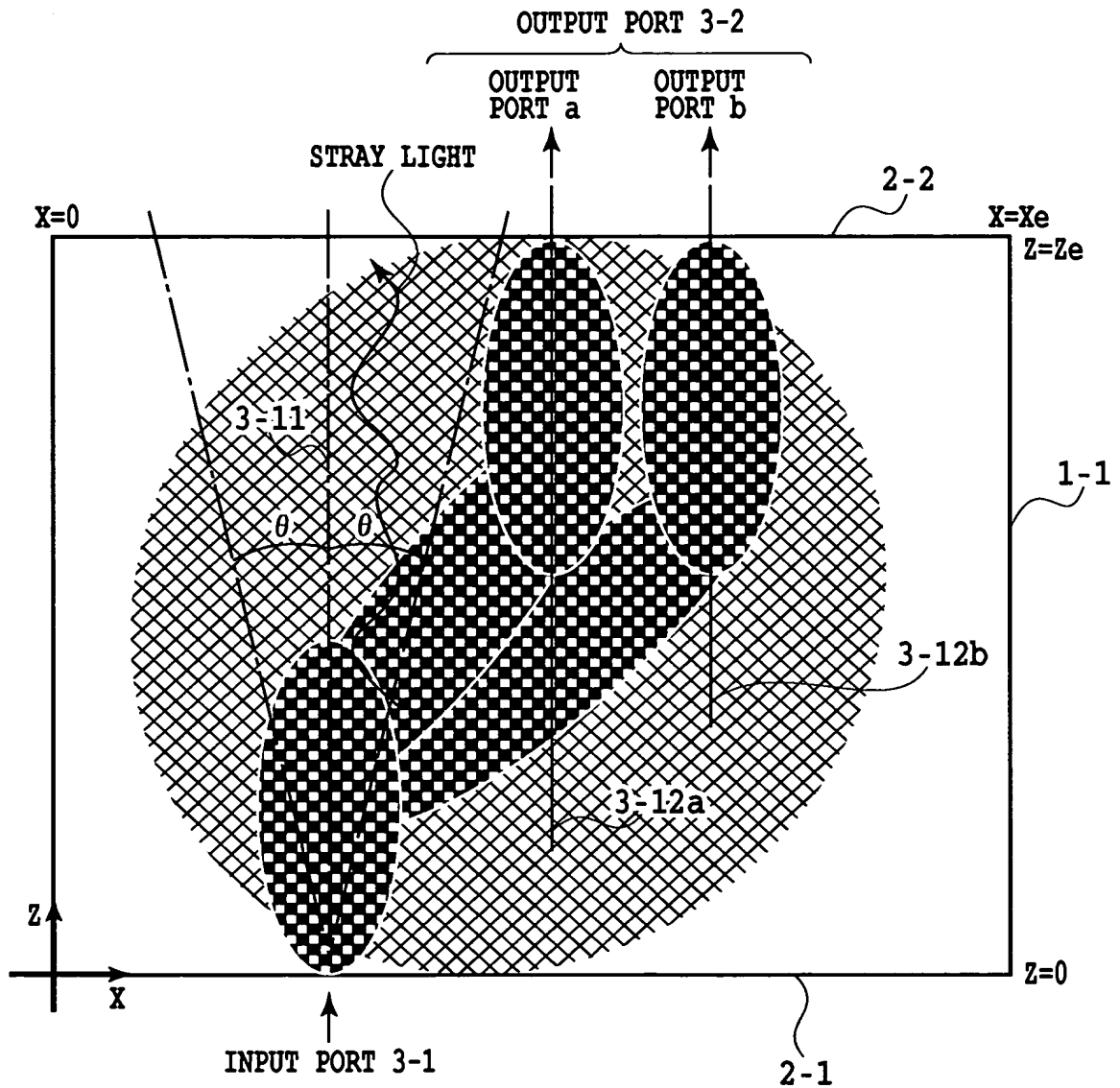


FIG.9

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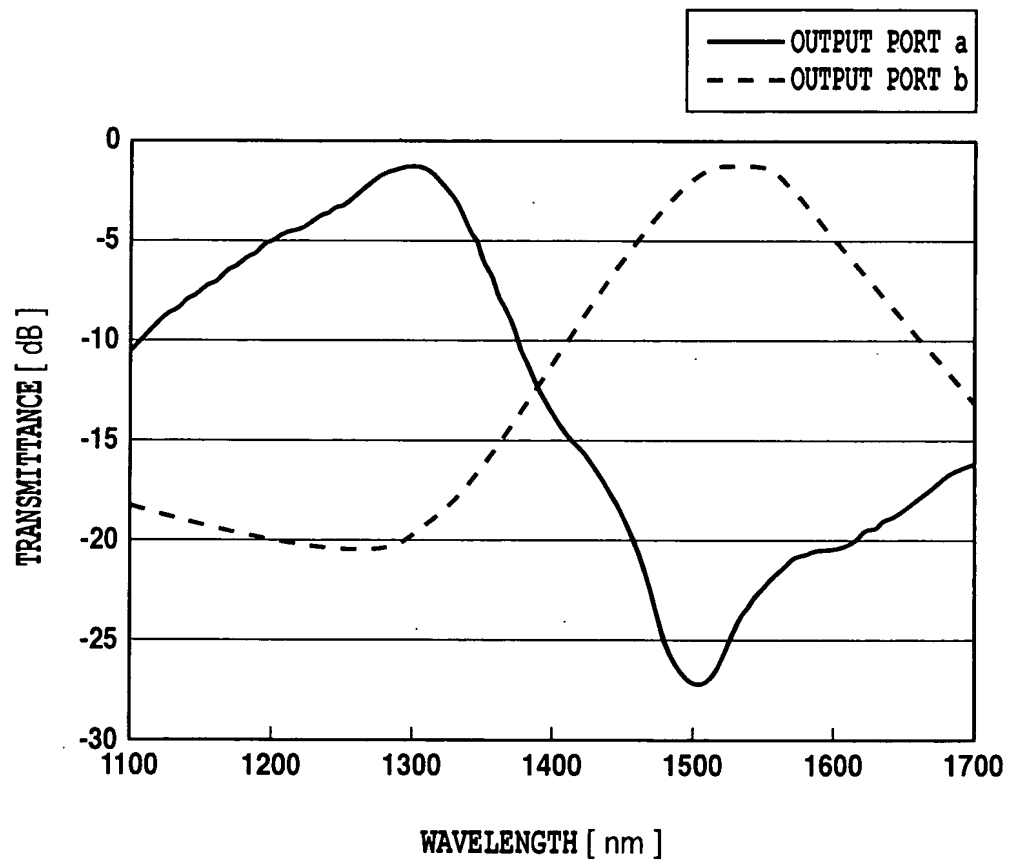


FIG.10

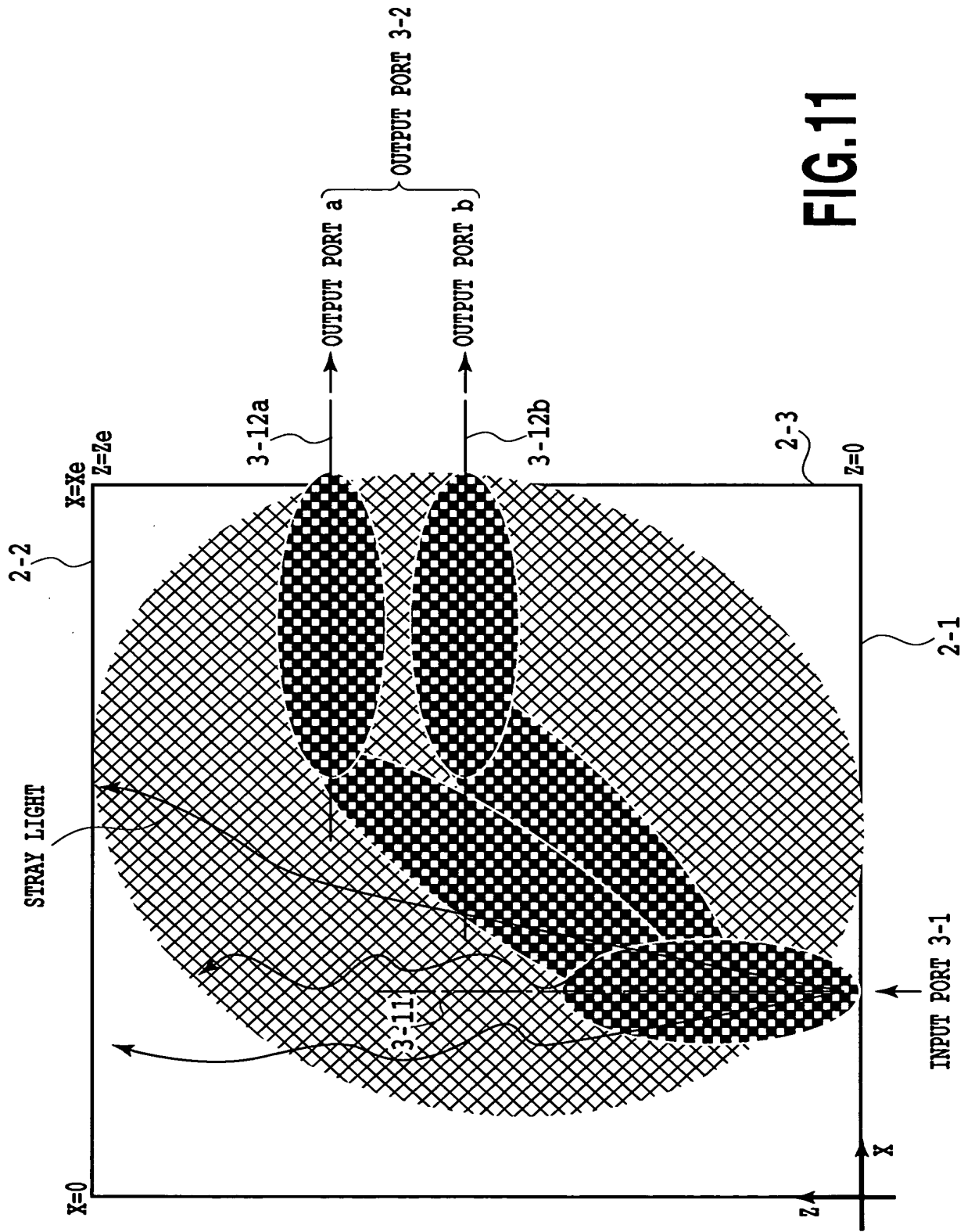


FIG.11

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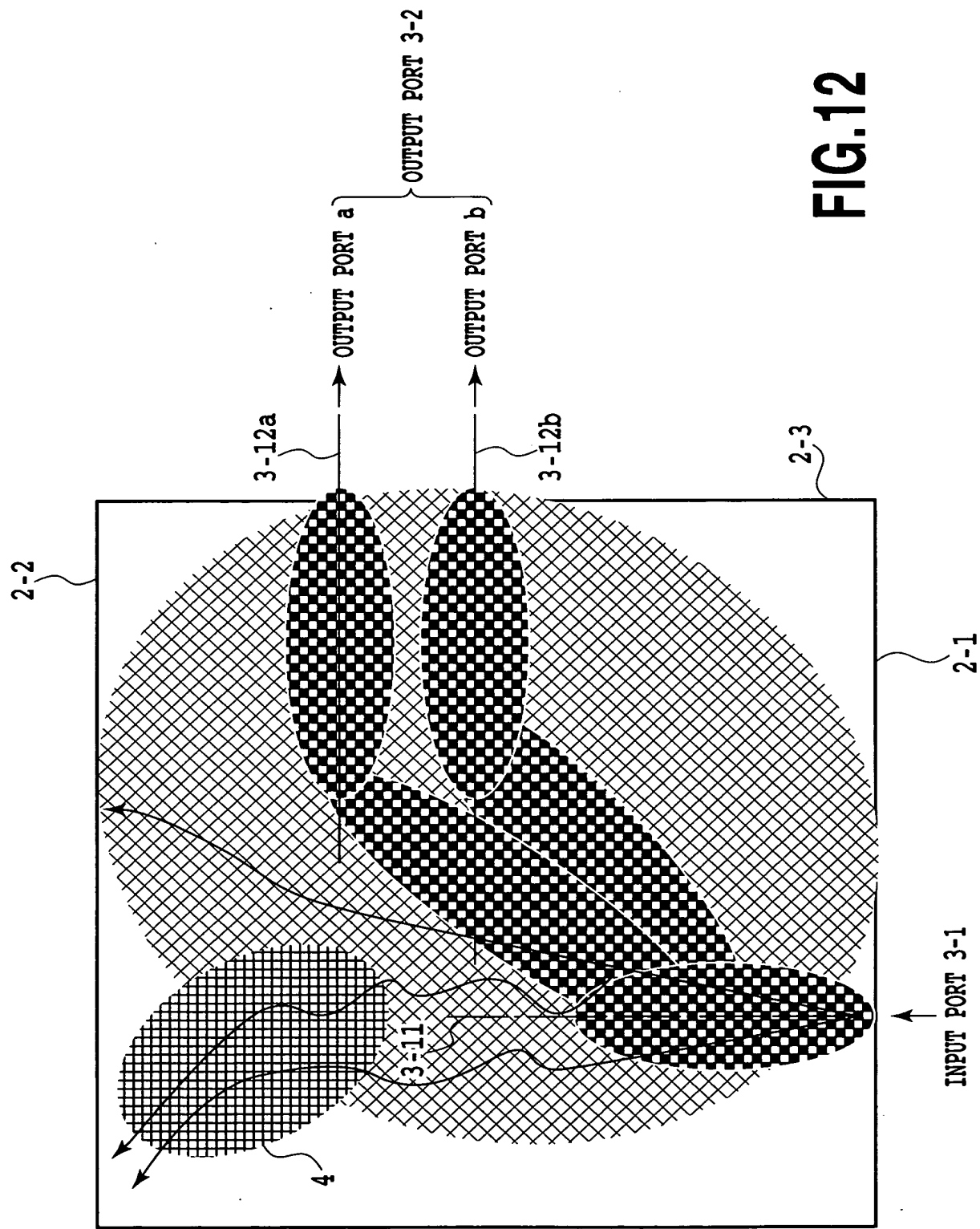


FIG.12

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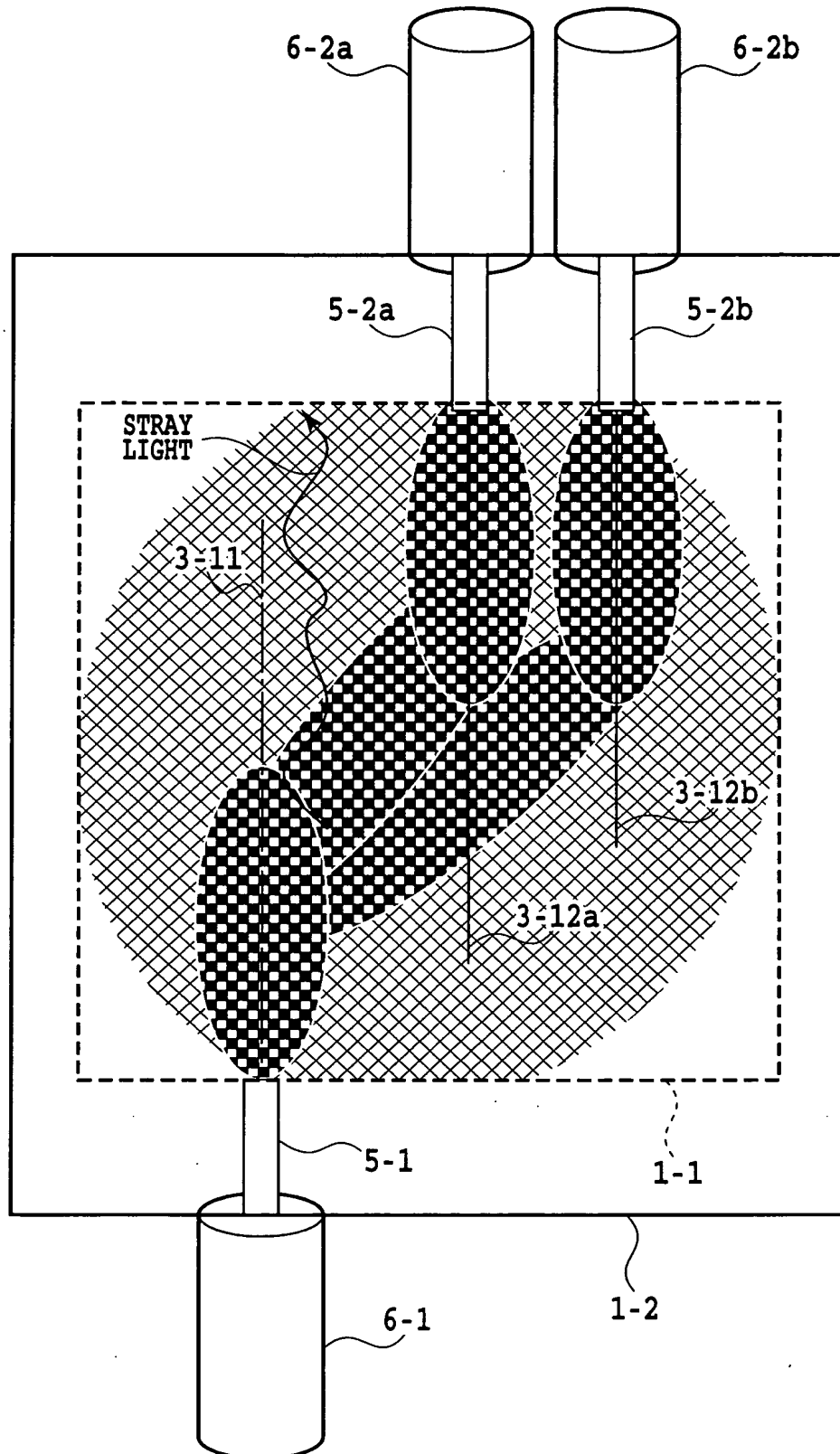


FIG.13

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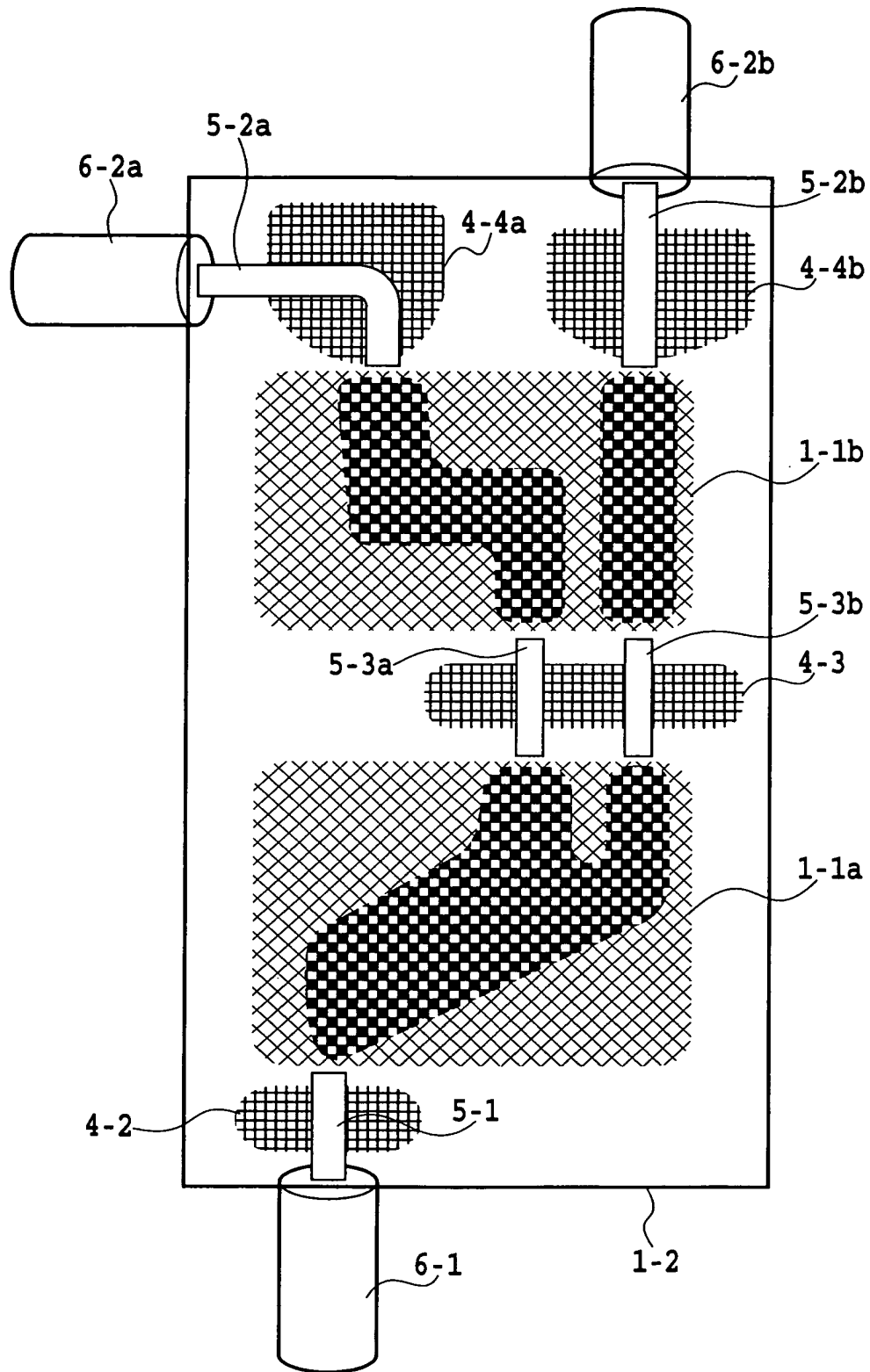


FIG.14

OPTICAL FUNCTIONAL CIRCUIT

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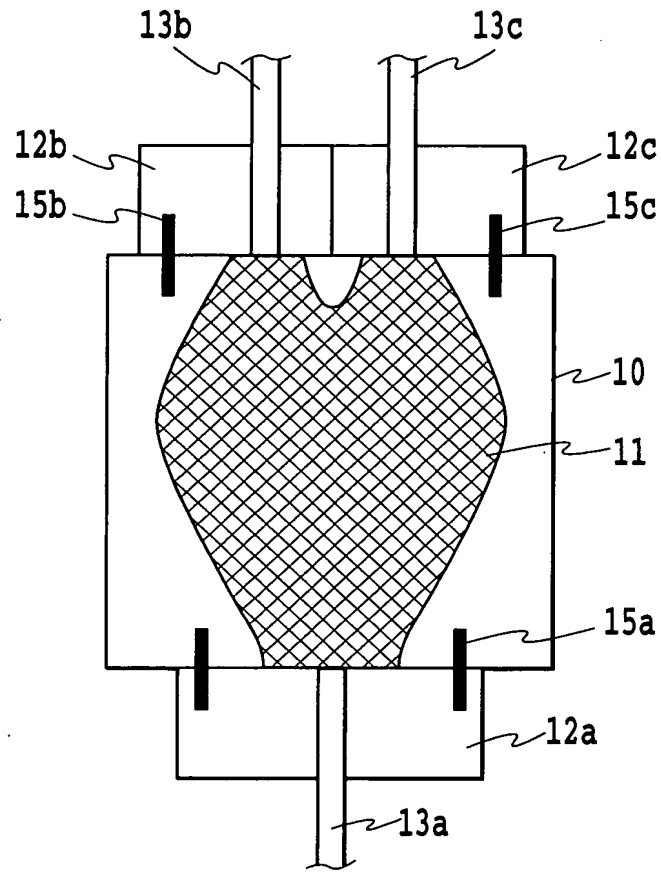


FIG.15

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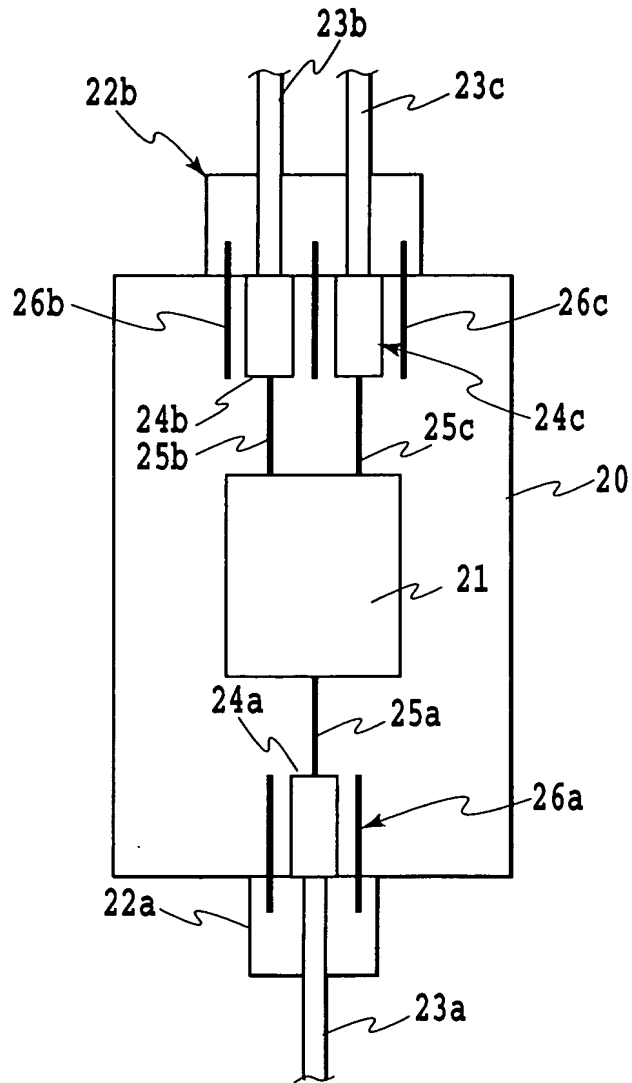


FIG.16



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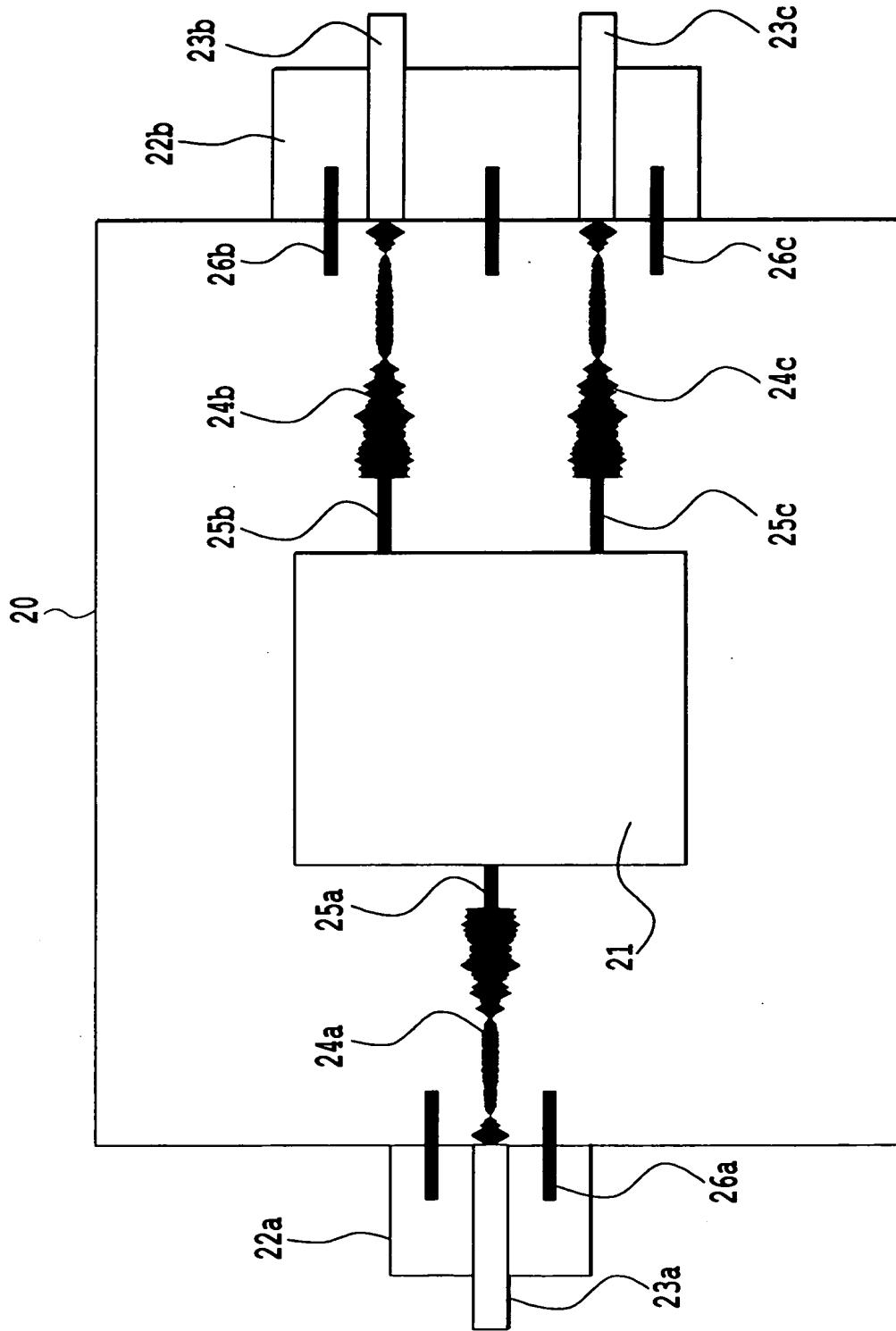


FIG.17

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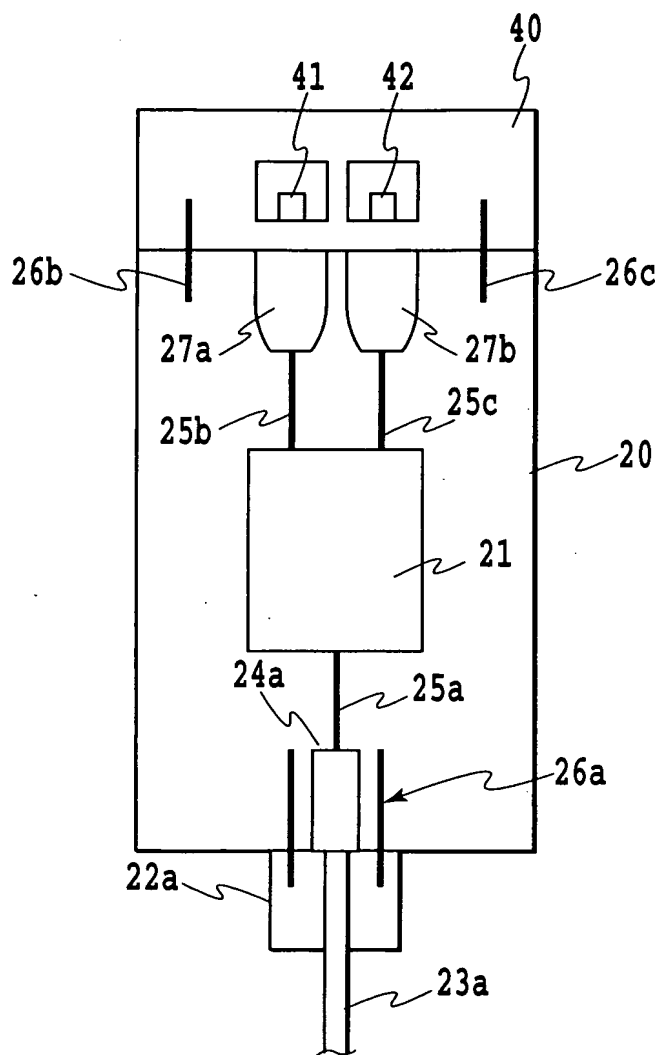


FIG.18

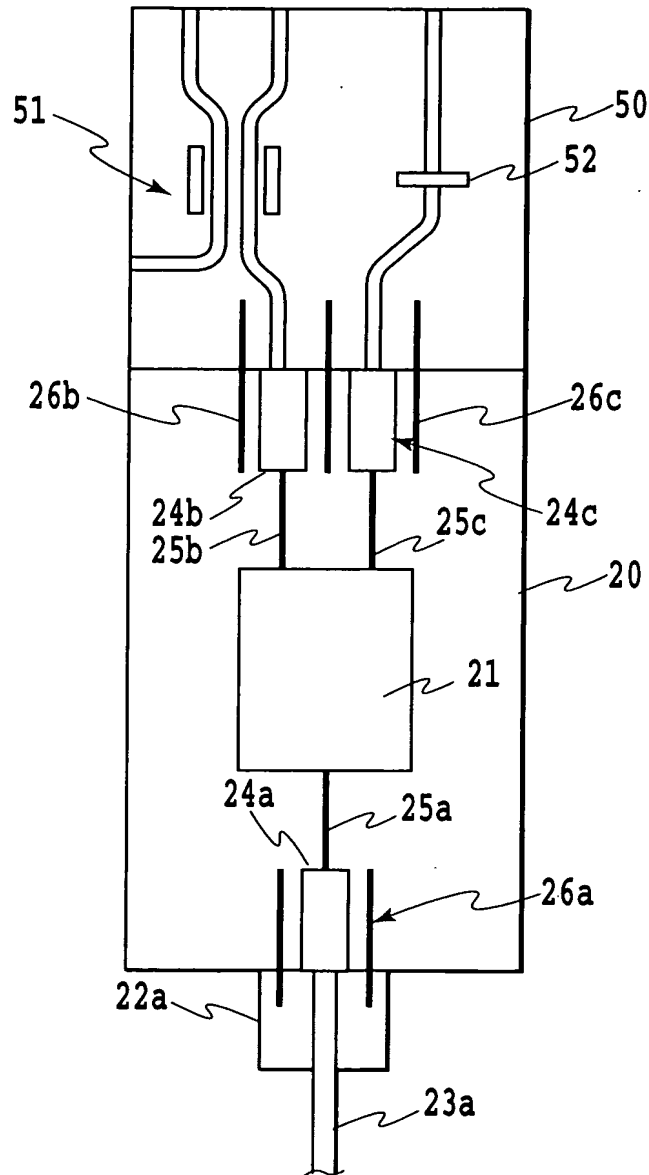


FIG.19

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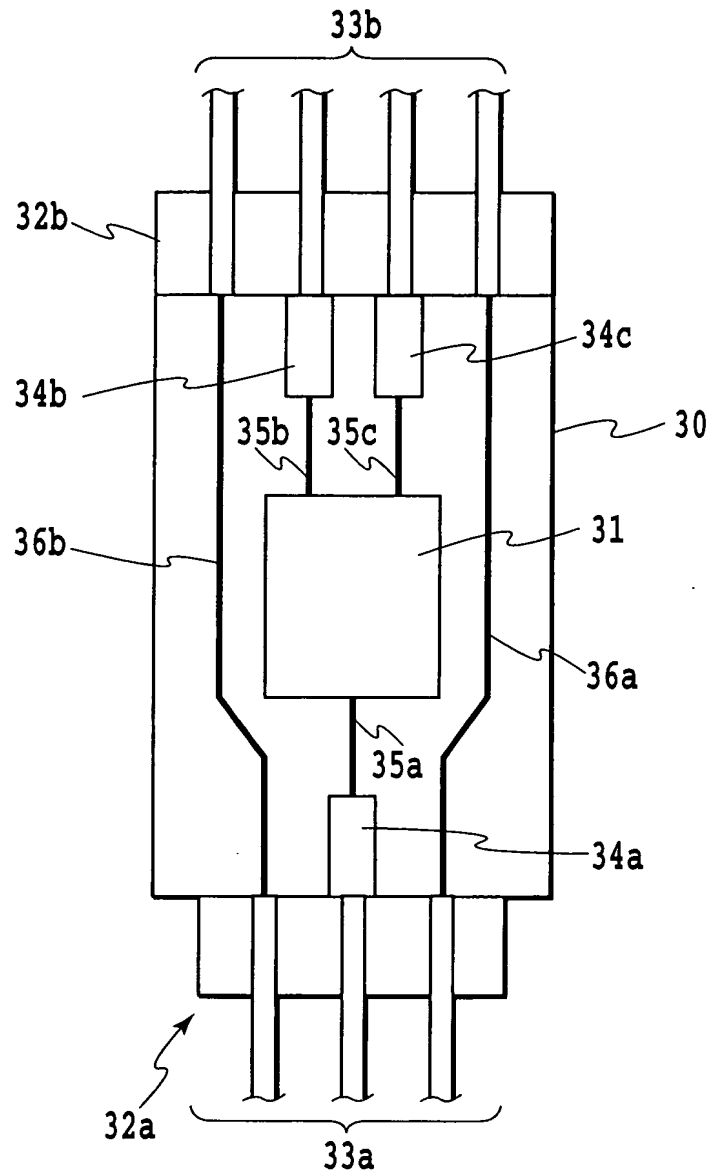


FIG.20

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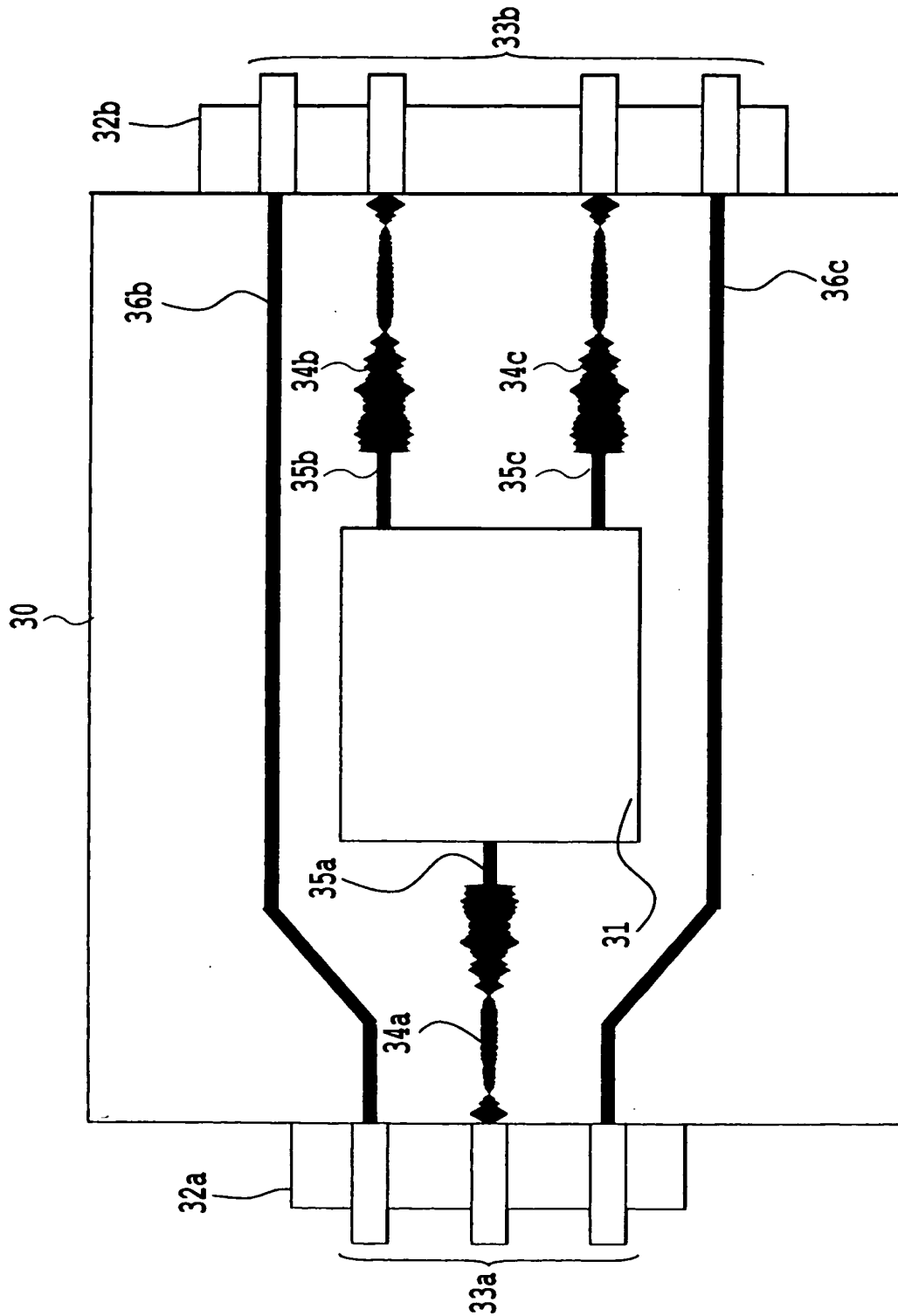


FIG.21

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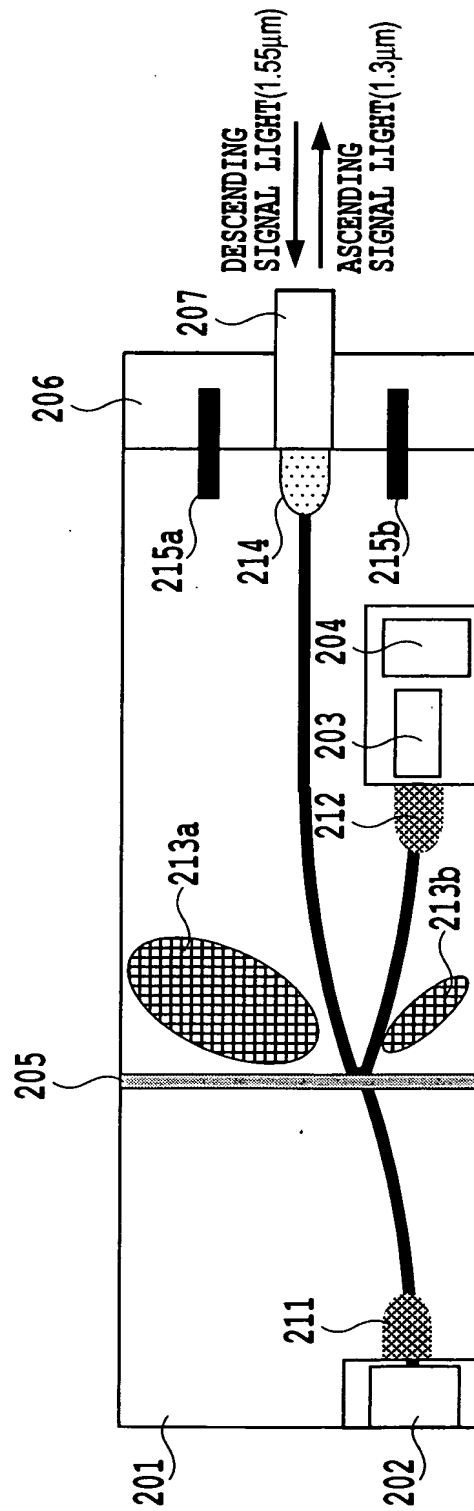


FIG.22